

I&M SET Station Project Soil Porewater Sampling Data Sheet

Benchmark ID: _____ Refuge Name: _____

Date/Time: _____

Measured By: _____ Field Personnel/Organization: _____

Salinity Meter Unit and Model Number: _____ Serial Number: _____

Salinity Meter Calibrated: Yes / No Date of Calibration: _____

Calibration Standard: _____ Calibration Solution: ☐ 1,000 $\mu\text{S}/\text{cm}$ ☐ 10,000 $\mu\text{S}/\text{cm}$

Reading before calibration: _____ Temp: _____ ☐ 50,000 $\mu\text{S}/\text{cm}$ ☐ 100,000 $\mu\text{S}/\text{cm}$

Reading after calibration: _____ Temp: _____

| <u>Replicate</u> | <u>Depth (cm)</u> | <u>Specific Conductance</u> <u>($\mu\text{S}/\text{cm}$)</u> | <u>Salinity (ppt)</u> | <u>Temperature ($^{\circ}\text{C}$)</u> |
|------------------|-------------------|--|-----------------------|--|
| 1 | 10 | | | |
| 2 | 10 | | | |
| 3 | 10 | | | |
| | | | | |
| 1 | 30 | | | |
| 2 | 30 | | | |
| 3 | 30 | | | |

Is water present on the marsh surface? Yes / No

Depth of water on marsh: _____ cm

If yes, record the following for the surface water:

Specific Conductance ($\mu\text{S}/\text{CM}$): _____

Salinity (ppt): _____

Temperature ($^{\circ}\text{C}$): _____

Comments: _____

Benchmark ID: refuge three letter code plus 3 digit site code plus one letter code, i.e., WAW000A

Refuge Name: name of the refuge

Date/Time: MM/DD/YYYY; four digit military time

Measured By: name of person measuring

Field Personnel/Organization: name of field crew and respective organization

Salinity Meter Unit and Model Number: alpha numeric, such as YSI 30.

Serial Number: serial number of meter, alpha numeric, such as 08L 100233

Salinity Meter Calibrated: Yes or No

Date of Calibration: MM/DD/YYYY

Calibration Standard: Standard used, such as LDNR/CRD or YSI

Calibration Solution: Check the box for solution used: 1,000 $\mu\text{S}/\text{cm}$ (freshwater), 10,000 $\mu\text{S}/\text{cm}$ (brackish water), 50,000 $\mu\text{S}/\text{cm}$ (sea water), 100,000 $\mu\text{S}/\text{cm}$ (supersaturated sea water)

Reading before calibration: Salinity reading before calibration in ppt

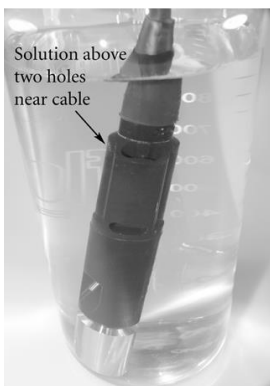
Reading after calibration: Salinity reading after calibration in ppt

Temperature: Temperature in Celsius

Salinity: Salinity in parts per thousand

Specific Conductance: Specific conductance in microSiemens per centimeter (SPC-uS/cm)

Water Present on Marsh Surface: Yes or No



***Porewater sample must cover the holes of the conductivity sensor which are closest to the cable at the top of the probe (see image to left).**